

Lab Programme - 6

Create a package CIE in which has two classes - Student & Internal.
The class External has members like USN, name, sem. The class Internal has an array that stores the internal marks scored in five
courses of the cIE.

```
import cie.*;
import sce.*;
import java.util.*;

class W8EPI {
    public static void main (String[] args) {
        Scanner input = new Scanner(System.in);
        externals[] e = new externals[5];
        internals[] in = new internals[5];
        for (int i = 0; i < 5; i++) {
            int usn1 = input.nextInt();
            String name1 = input.next();
            int sem1 = input.nextInt();
            int[] cie = new int[5];
            int[] sce = new int[5];
            for (int j = 0; j < 5; j++) {
                cie[i][j] = input.nextInt();
            }
            for (int j = 0; j < 5; j++) {
                sce[i][j] = input.nextInt();
            }
            e[i] = new externals(usn1, name1, sem1, sce[i]);
            in[i] = new internals(usn1, name1, sem1, cie[i]);
            int total = 0;
            System.out.println("Name: " + e[i].name);
            System.out.println("USN: " + e[i].usn);
            System.out.println("sem: " + e[i].sem);
            for (int j = 0; j < 5; j++) {
                total = e[i].seeMarks[j] + in[i].cieMarks[j];
            }
            System.out.println("Final
```



```
System.out.println("Final marks: " + value);
```

```
}
```

```
System.out.println();
```

```
}
```

```
package cic;
```

```
public class Student {
```

```
    public int usn;
```

```
    public String name;
```

```
    public int sem;
```

```
    public Student (int usn, String name, int sem) {
```

```
        this.usn = usn;
```

```
        this.name = name;
```

```
        this.sem = sem;
```

```
    }
```

```
}
```

```
package cic;
```

```
public class Internal extends Student {
```

```
    public int[] cicMarks = new int[5];
```

```
    public Internal (int usn, String name, int sem, int[] cicMarks) {
```

```
        super(usn, name, sem);
```

```
        this.cicMarks = cicMarks;
```

```
    }
```

```
package sec;
```

```
import cic.*;
```

```
public class External extends Student {
```

```
    public int[] secMarks = new int[5];
```

```
    public External (int usn, String name, int sem, int[] secMarks) {
```

```
        super(usn, name, sem);
```

```
        this.secMarks = secMarks;
```

```
    }
```